

Converting Colors

XYZ(32.3531, 51.7406, 20.0861)

Have a look what the booklet for
XYZ(32.3531, 51.7406, 20.0861)
contains.

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Color

**XYZ(32.3531, 51.7406,
20.0861)**

Conversions

Conversions Part 1

Format	Color
Hex	6DD563
RGB	109, 213, 99
RGB Percent	43%, 84%, 39%
CMY	0.5725, 0.1647, 0.6118
CMYK	0.49, 0.00, 0.54, 0.16
HSL	115°, 58%, 61%
HSV	115°, 54%, 84%
XYZ	32.3531, 51.7406, 20.0861
YIQ	168.9080, -25.3900, -57.5020

Conversions

Conversions Part 2

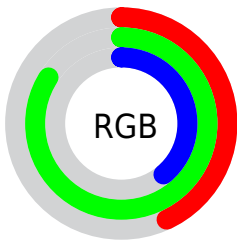
Format	Color
RYB	99, 213, 203
Decimal	7198051
CIELab	77.13, -52.29, 46.71
CIELCh	77, 70.116, 138.228
Yxy	51.7406, 0.3106, 0.4966
Android (android.graphics.Color)	4285388131 (0xFF6DD563)
YUV	168.9080, -34.4646, -52.5393
Hunter-Lab	71.9309, -45.5934, 33.7954

Details

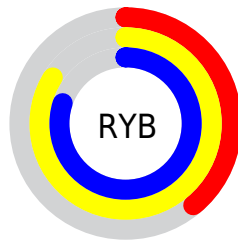
The XYZ color **32.3531, 51.7406, 20.0861** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **41.1032, 26.4260, 65.8879**, and the grayscale version is **37.8418, 39.8125, 43.3558**.

A 20% lighter version of the original color is **57.3638, 82.0025, 42.5104**, and **13.7424, 24.9235, 6.7757** is the 20% darker color. If you saturate the color by 10%, you get **29.3344, 50.2885, 15.3125**, and if you desaturate by 10%, it is **36.1713, 53.5769, 26.3010**.

Distribution



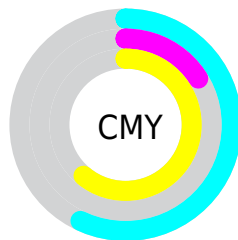
- Red (43%)
- Green (84%)
- Blue (39%)



- Red (39%)
- Yellow (84%)
- Blue (80%)



- Cyan (49%)
- Magenta (0%)
- Yellow (54%)
- Black (16%)



- Cyan (57%)
- Magenta (16%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3531, 51.7406, 20.0861 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 32.3531, 51.7406, 20.0861 by changing the saturation by 10% instead.

■ 32.3531, 51.7406,
20.0861

■ 32.3531, 51.7406,
20.0861

304.4414,
393.4344, 265.0005

■ 21.7882, 36.7984,
12.2729

■ 62.7257, 92.7486,
44.4224

■ 13.8171, 25.0514,
6.8051

■ 83.2641, 119.5831,
61.7825

■ 8.0744, 16.1154,
3.2639

■ 107.8577,
151.1505, 83.1622

■ 4.1948, 9.6058,
1.2309

■ 136.8719,
187.8351, 108.9797

■ 1.8129, 5.1384,
0.0041

170.6720,
230.0214, 139.6538

■ 0.5254, 2.3287,
0.0000

209.6234,

■ 0.0000, 0.7888,

278.0938, 175.6029

0.0000

254.0914,
332.4367, 217.2456

■ 0.0000, 0.0000,
0.0000

■ 32.3531, 51.7406,
20.0861

■ 32.3531, 51.7406,
20.0861

■ 29.3344, 50.2885,
15.3125

■ 36.1713, 53.5769,
26.3010

■ 27.0546, 49.1872,
11.8613

■ 40.8365, 55.8151,
34.0566

■ 25.4505, 48.4087,
9.6005

■ 46.3970, 58.4795,
43.4477

■ 24.4465, 47.9173,
8.3689

■ 52.8961, 61.5907,
54.5603

■ 24.0577, 47.7259,
7.9440

■ 60.3747, 65.1679,
67.4744

■ 68.8708, 69.2293,
82.2651

■ 78.4208, 73.7919,
99.0032

■ 83.0853, 76.0706,
104.9118

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.5492, 51.7406, 11.2915



32.3531, 51.7406, 20.0861



28.0174, 51.7406, 42.5809

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



32.3531, 51.7406, 20.0861



44.1054, 51.7406, 163.8806



77.9411, 51.7406, 36.2602

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32.3531, 51.7406, 20.0861



41.1032, 26.4260, 65.8879

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9668, 51.7406, 72.7755



32.3531, 51.7406, 20.0861



57.6875, 51.7406, 159.5355

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



32.3531, 51.7406, 20.0861



33.9305, 51.7406, 131.2547



71.0104, 51.7406, 121.1935



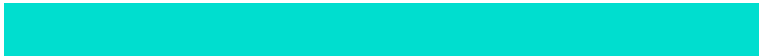
68.4207, 51.7406, 17.2733

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.3531, 51.7406, 20.0861



27.8277, 51.7406, 67.5733



71.0104, 51.7406, 121.1935



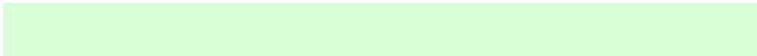
79.3468, 51.7406, 46.4204

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32.3544, 51.7428, 20.0873



76.7703, 91.2565, 77.3204



50.7218, 57.1032, 20.1538



15.9889, 19.3205, 15.7910



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.3544, 51.7428, 20.0873



43.6403, 75.3603, 22.3253



34.0215, 52.2755, 34.9251



12.3624, 13.9475, 13.2013



14.7313, 29.1706, 4.8541



0.9242, 1.7778, 0.2944

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.1032, 26.4260, 65.8879



58.0289, 33.4855, 98.0126



38.9164, 25.8760, 39.6987



12.8406, 12.5748, 15.6879



21.0209, 9.9892, 39.2733



1.3001, 0.6191, 2.3703

Previews

White Background



This preview shows how the XYZ color 32.3531, 51.7406, 20.0861 looks on a white background.

Color Contrast Check

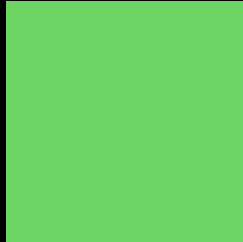
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 32.3531, 51.7406, 20.0861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

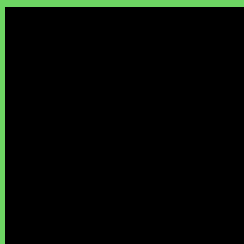
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3531, 51.7406, 20.0861

Background



This preview shows how black text looks on a background with the XYZ color 32.3531, 51.7406, 20.0861.



This preview shows how white text looks on a background with the XYZ color 32.3531, 51.7406,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32.3531, 51.7406, 20.0861

Protanopia

46.3804, 50.7058, 17.2402

Deuteranopia

51.9830, 50.7142, 21.2364



Tritanopia

42.8515, 51.3049, 73.2900

Trichromacy



Original Color

32.3531, 51.7406, 20.0861



Protanomaly

39.4480, 50.0806, 18.1771



Deuteranomaly

41.8930, 49.2840, 20.6694



Tritanomaly

37.7835, 51.0037, 47.8977

Monochromacy



Original Color

32.3531, 51.7406, 20.0861



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.4156, 42.9146, 32.8550

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3531, 51.7406, 20.0861 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(109, 213, 99)` looks like.

```
.text, #text, p{  
    color:rgb(109, 213, 99)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(109, 213, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 213, 99) }
```

Border

The CSS property to change the border of an element to XYZ 32.3531, 51.7406, 20.0861 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 213, 99) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(109, 213, 99) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(109, 213, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 213, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 213, 99);  
box-shadow:4px 4px 4px 4px rgb(109, 213,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3531, 51.7406, 20.0861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 213, 99) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(109,  
213, 99) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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